## AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0140] with the following amended paragraph:

Fig. 1 schematically illustrates a client/server configuration 10, in accordance with a preferred embodiment of the invention. A server 16 communicates with a client 11, using a compressed video signal. Typically, a single server 16 is connected to and services a large number of clients 11. Client 11 comprises a video display, preferably a television set 12 (TV). The ~~c6mpressed~~ compressed video signal is preferably received by a set-top box 14 which decompresses the compressed signal and sends a video signal to TV 12. In a preferred embodiment of the invention, set-top box 14 is also used for viewing cable channels and/or pay-per-view programs.

Please replace paragraph [0147] with the following amended paragraph:

Fig. 2 schematically illustrates a server 16, in accordance with a preferred embodiment of the invention. A program 30 is run at server 16 and generates a display to be viewed. This display is preferably drawn in a window on a virtual display 32. The window portion of display 32 is compressed, preferably to comply with the MPEG II standard. This compression may be performed by a standard MPEG II compressor 34. However, in a preferred embodiment of the invention, a special MPEG compression algorithm is used which ~~take~~ takes into account the type of display being generated.

Please replace paragraph [0150] with the following amended paragraph:

In a preferred embodiment of the invention, server 16 runs a plurality of programs 30', the displays of which are all compressed, encoded, and mixed into a cable wire signal. Preferably, the plurality of programs all run on a single CPU. Alternatively or additionally, server 16 may comprise a multi-CPU platform. Preferably, all the programs share a single virtual display. Alternatively, at least some of the programs may utilize a separate virtual display. Preferably, MPEG compression processes for a plurality of programs are preformed by the same CPU. Alternatively, server 16 may include a plurality of DSP cards, which can be dynamically assigned to perform the compression. Preferably, all the compressed displays are transport encoded using a single transport encoder, alternatively a plurality of encoders 36' may be used. Preferably, such a plurality of encoders are dynamically assigned for a display frame. Preferably, the encoders are genlocked and/or frame locked.

Please replace paragraph [0160] with the following amended paragraph:

Fig. 3 is a flowchart for a method of generating a compressed video stream of MPEG II data (70), in accordance with a preferred embodiment of the invention. This flowchart is preferably repeated (50) for each display element, where a display element is a graphical primitive or object which is drawn by program 30 or by the operating system. Alternatively, an entire display is built and then compressed. Alternatively this display is processed on a block-by block basis and each display element is a block or a portion thereof. Preferably, the block size is 8x8, 16x16 pixels or another multiple of the MPEG block size. It should be appreciated that different parts of the flowchart may be applied with a different granularity. For example, some

of the flowchart may be performed on a frame-by-frame basis, while other parts may be performed on a block-by-block, super-block-by-super-block or element-by-element basis.

Please replace the Abstract with the following amended Abstract:

A computer may be remotely accessed. At a first location, display commands are generated. The display commands are ~~covered~~ converted into a compressed video data stream. Each display element (50) is checked if it is encoded (52). If an object is encoded, it is transcribed into MPEG (54). The image is adjusted for display (56) and compression (58). Additional steps of motion determination (60), change detection (62), compression depth and frame determination (66, 68) are executed. Then the data is transmitted to a second location. This display commands are decompressed and displayed as an image at the second location.